

Product datasheet for **RN201132**

Capzb (NM_001005903) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Capzb (NM_001005903) Rat Untagged Clone
Tag: Tag Free
Symbol: Capzb
Synonyms: MGC95097
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201132 representing NM_001005903
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCGATCAGCAGCTGGACTGCGCCTTGACCTGATGAGGCGCCTGCCTCCACAGCAGATTGAGAAA
ACCTCAGCGATCTGATCGACCTGGTCCCAGTCTGTGTGAAGATCTCCTGTCTTCTGTTGACCAGCCCT
GAAAATTGCCAGAGACAAGGTGGTGGGCAAGGACTACCTTTTGTGTGACTACAACAGAGACGGGGACTCC
TATAGGTACCATGGAGTAACAAGTATGACCCTCCTTTGGAAGATGGGGCCATGCCATCTGCTCGGCTCA
GAAAGCTGGAGGTAGAGGCCAACATGCCTTCGACCAATACCGAGACCTGTATTTGAAGGTGGTGTCTC
ATCAGTCTACCTCTGGATCTCGATCATGGCTTTGCTGGAGTGATCCTCATAAAGAAGGCTGGGGATGGA
TCAAAGAAGATCAAAGGCTGCTGGGATTCCATCCACGTGGTGAAGTGCAGGAGAAGTCCAGTGGCCGTA
CTGCCATTACAAGTTGACCTCCACAGTGATGCTATGGCTGCAAACCAACAAATCCGGCTCAGGCACCAT
GAACCTGGGAGGCAGCCTAACCCAGACAGATGGAGAAGGACGAACTGTGAGTGACTGTTCCCCACACATA
GCCAACATTGGGCGCCTGGTGGAGGACATGAAAAACAAATCAGAAGCAGCTGAATGAGATCTACTTTG
GAAAAACAAAGGACATCGTCAACGGGCTGAGGTCTGTGCAGACGTTTGCAGACAAATCAAAGCAGGAAGC
CCTTAAGAATGACCTGGTGAAGCCTTGAAGAGAAAGCAGCAGTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001005903
Insert Size: 819 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001005903.1</u> , <u>NP_001005903.1</u>
RefSeq Size:	1662 bp
RefSeq ORF:	819 bp
Locus ID:	298584
UniProt ID:	<u>Q5XI32</u>
Cytogenetics:	5q36
Gene Summary:	F-actin-capping proteins bind in a Ca(2+)-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments. Plays a role in the regulation of cell morphology and cytoskeletal organization (By similarity).[UniProtKB/Swiss-Prot Function]